PREFACE

Research on muon colliders is currently at the stage of feasibility studies. In the decades to come, muon colliders may well become one of the major experimental tools for exploring the elementary organizing principles of our universe.

As a modest and cost-efficient contribution to studies of energy frontier muon colliders and their physics, this CD is a compilation of contributed papers received in response to our open invitation as part of the "Six Month Feasibility Study on High Energy Muon Colliders; Oct'00 – Apr'01".

The Study was open to all interested participants and was organized by email from the web page `http://pubweb.bnl.gov/people/bking/mucoll/index.html`. Its email list comprised the Neutrino Factory and Muon Collider Collaboration (156 names automatically included) as well as 144 interested people from outside that Collaboration. Our thanks to all these people for their interest and we are particularly appreciative of the authors of the contributed papers for donating their time, effort and enthusiasm towards a challenging but worthy cause. We also acknowledge Rinton Press for their patience and helpful demeanor, and the Center for Accelerator Physics at Brookhaven National Laboratory and Nevis Laboratories of Columbia University for sponsoring the publication of this Study on CD's.

The papers in this CD are of a high quality and include some very significant advances towards understanding muon colliders and what they might contribute to high energy physics. We hope you find them as insightful and thought-provoking as we do.

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Study Organizers